

Title (en)
CONTRAST AGENT ATTENUATION GRADIENT

Title (de)
KONTRASTMITTEL-ABSCHWÄCHUNGSGRADIENT

Title (fr)
GRADIENT D'ATTÉNUATION D'AGENT DE CONTRASTE

Publication
EP 4252664 A1 20231004 (EN)

Application
EP 22166012 A 20220331

Priority
EP 22166012 A 20220331

Abstract (en)

A computer-implemented method of calculating a value of a contrast agent attenuation gradient for a lumen in a vasculature, is provided. The method includes: analyzing spectral CT data to isolate from the spectral CT data, contrast agent attenuation data representing the distribution of the contrast agent along the lumen; and calculating, from the contrast agent attenuation data, a value of a gradient of the contrast agent along one or more portions ($P_{a} - P_{d}$) of the lumen, to provide the value of the contrast agent attenuation gradient.

IPC 8 full level
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CPC (source: EP)
A61B 6/032 (2013.01); **A61B 6/481** (2013.01); **A61B 6/482** (2013.01); **A61B 6/504** (2013.01); **A61B 6/5217** (2013.01)

Citation (applicant)

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- SILVA, A. C. ET AL.: "Dual-energy (spectral) CT: applications in abdominal imaging", RADIOGRAPHICS, vol. 31, no. 4, 2011, pages 1031 - 1046

Citation (search report)

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- [A] US 2014243662 A1 20140828 - MITTAL RAJAT [US], et al
- [A] US 2014088414 A1 20140327 - MITTAL RAJAT [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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KH MA MD TN

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